

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

1. (Currently Amended) An electronic apparatus comprising:
a communication device that executes wireless communication with an external device;
an input device;
means for selecting one of a first communication mode and a second communication mode in accordance with an operation of the input device; and
means for, when the first communication mode is selected, establishing one channel for transmitting content data from the communication device to the external device, and executing controlling one-way communication to transmit content data compression-encoded by a first compression-encoding scheme, from the communication device to the external device via the one channel with a first quality, and for, when the second communication mode is selected, establishing two independent channels between the communication device and the external device, the two independent channels including a first channel transmitting content data from the communication device to the external device, and a second channel transmitting content data from the external device to the communication device, and executing controlling two-way communication to transmit and receive content data compression-encoded by a second compression-encoding scheme between the communication device and the external device via the two independent channels with a second quality which is lower than the first quality, the second compression-encoding scheme requiring a smaller number of arithmetic operations compared to the first compression-encoding scheme.

2. (Original) The electronic apparatus according to claim 1, further comprising:
a display device; and
means for displaying a first icon and a second icon corresponding to the first communication mode and the second communication mode, respectively, on a display screen of the display device,
wherein the selecting means includes means for selecting the first communication mode when the first icon is selected by an operation of the input device, and selecting the second communication mode when the second icon is selected by an operation of the input device.

3. (Cancelled)

4. (Original) The electronic apparatus according to claim 1, wherein the controlling means includes means for controlling communication between the communication device and the external device such that content data sampled with a first sampling frequency is transmitted from the communication device to the external device when the first communication mode is selected, and content data sampled with a second sampling frequency, which is lower than the first sampling frequency, is transmitted and received between the communication device and the external device when the second communication mode is selected.

5. (Original) The electronic apparatus according to claim 1, further comprising means for storing first parameter information indicative of a kind of compression-encoding to be used in the first communication mode and a value of a sampling frequency used in the compression-encoding, and second parameter information indicative of a kind of compression-encoding to be used in the second communication mode and a value of a sampling frequency used in this compression-encoding,

wherein the controlling means includes means for setting communication conditions for the one-way communication in the communication device and the external device in accordance with the first parameter information when the first communication mode is selected, and setting communication conditions for the two-way communication in the communication device and the external device in accordance with the second parameter information when the second communication mode is selected.

6. (Original) The electronic apparatus according to claim 1, wherein the external device is a headset including a speaker and a microphone,

the electronic apparatus further comprises means for storing first parameter information indicative of communication conditions for transmitting audio data with the first quality and second parameter information indicative of communication conditions for transmitting audio data with the second quality, and

the controlling means includes means for setting communication conditions for the one-way communication in the communication device and the external device in accordance with the first parameter information when the first communication mode is selected, and setting communication conditions for the two-way communication in the communication device and the external device in accordance with the second parameter information when the second communication mode is selected.

7. (Currently Amended) A program for controlling wireless communication with an external device, which is stored in a computer-readable medium and executed by a computer, comprising:

causing the computer to select one of a first communication mode and a second communication mode in accordance with an operation of an input device of the computer; and

causing the computer to establish one channel for transmitting content data from the computer to the external device, and to execute one-way communication to transmit content data compression-encoded by a first compression-encoding scheme, from the computer to the external device via the one channel with a first quality, when the first communication mode is selected; and

causing the computer to establish two independent channels between the computer and the external device, the two independent channels including a first channel transmitting content data from the computer to the external device and a second channel transmitting content data from the external device to the computer, and to execute two-way communication to transmit and receive content data compression-encoded by a second compression-encoding scheme between the computer and the external device via the two independent channels with a second quality, which is lower than the first quality, when the second communication mode is selected, the second compression-encoding scheme requiring a smaller number of arithmetic operations compared to the first compression-encoding scheme.

8. (Original) The program according to claim 7, further comprising:

causing the computer to display a first icon and a second icon corresponding to the first communication mode and the second communication mode, respectively, on a display device of the computer,

wherein the selecting includes causing the computer to select the first communication mode when the first icon is selected by an operation of the input device, and causing the computer to select the second communication mode when the second icon is selected by an operation of the input device.

9. (Cancelled)

10. (Original) The program according to claim 7, wherein the executing of the one-way communication includes causing the computer to transmit content data sampled with a first sampling frequency to the external device, and

the executing of the two-way communication includes causing the computer to transmit and receive content data sampled with a second sampling frequency, which is lower than the first sampling frequency, between the computer and the external device.

11. (Original) The program according to claim 7, wherein the executing of the one-way communication includes causing the computer to execute the one-way communication in accordance with first parameter information indicative of a kind of compression-encoding to be used in the first communication mode and a value of a sampling frequency used in the compression-encoding, and

the executing of the two-way communication includes causing the computer to execute the two-way communication in accordance with second parameter information indicative of a kind of compression-encoding to be used in the second communication mode and a value of a sampling frequency used in this compression-encoding.

12. (Original) The program according to claim 7, wherein the external device is a headset including a speaker and a microphone,

the executing of the one-way communication includes causing the computer to execute the one-way communication in accordance with first parameter information indicative of communication conditions for transmitting audio data with the first quality, and

the executing of the two-way communication includes causing the computer to execute the two-way communication in accordance with second parameter information

indicative of communication conditions for transmitting audio data with the second quality.

13. (New) The electronic apparatus according to claim 1, wherein the one channel is established using an asynchronous channel, and each of the first channel and second channel is established using the asynchronous channel.

14. (New) The program according to claim 7, wherein the one channel is established using an asynchronous channel, and each of the first channel and second channel is established using the asynchronous channel.